BOT DEV

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Bot Framework Package

Readme

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1.   Introduction

This document contains all essential information for the user to make full use of this A2019 *Command Package*. It includes a description of the functions and capabilities and step-by-step procedures for setup & configuration of the *Command Package*.

1.1   Overview

The RPA bot framework package offers a suite of advanced functionalities tailored for efficient automation and streamlined workflow management.

1.2   Use cases

Generate Framework Template: This package enables the creation of a standardized bot framework template. It ensures consistent bot structure and logging practices across teams, facilitating uniformity and efficiency in bot deployment and maintenance.

Robust Logging: The package features a sophisticated logging system. It includes a global session logger capable of logging from any subtask, thereby enhancing traceability and minimizing manual errors. This logger automatically captures source task details and can log complex variables, aiding in their visualization. Additionally, it offers the functionality to capture screenshots alongside log messages, providing a comprehensive logging experience.

Documentation: The package provides robust documentation capabilities. It allows for easy documentation of code within the task itself, including the ability to incorporate screenshots. This feature is particularly useful for highlighting activities prone to errors. Users can add detailed explanations and visual aids to enhance understanding. The ability to combine a set of activities with design screenshots simplifies the process comprehension, making it easier for teams to follow and replicate.

Read Config: With this feature, users can effortlessly read configuration data from various formats such as CSV, Excel, JSON, and XML, and directly import this data into a dictionary. This functionality is designed to work without the need for Excel installation, thereby broadening its applicability and ease of use.

Auto Delete Logs: This utility allows for the automatic deletion of logs based on their age, enhancing log management. It provides the option to skip specific directories and files that match certain patterns, allowing for customized log maintenance that aligns with organizational policies and requirements.

Close Process/Application: The package simplifies the task of closing processes or applications. Users can easily terminate applications by merely providing their names, streamlining the process of managing system resources and ensuring efficient operation of the automated environment.

These features combine to create a powerful and versatile RPA bot framework package, designed to meet the diverse needs of modern automated systems.

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2.   Requirements & Prerequisites

2.1   System Requirements

Enterprise A2019 (Cloud deployed) and Community Edition device requirements. Review the machine hardware specifications, operating system versions, and browser types supported by Automation Anywhere Enterprise for creating and running bots and command packages as an Enterprise A2019 (Cloud deployed) or Community Edition user on your local machine.

2.2 Prerequisites
No specific prerequisites.

3. Getting Started

3.1 Quick Start

3.1.1 Setup

- Install the package from Bot Store into your Control Room
- Enable the package named "Bot Framework" and set latest version as default
- Navigate to Bot Store\BotFramework-BotDev to run and examine the Bot Framework package demo. It will create sample file/log/folders in C:\ BotFramework but can be changed and also be made dynamic.

3.1.2 Configuration and Use

1. **Config Read CSV**: Reads config data from CSV file and stores it in dictionary.

2. **Config Read Excel**: Reads config data from Excel spreadsheet into dictionary.

3. **Config Read JSON**: Reads config data from JSON file to dictionary.

4. **Config Read XML**: Reads config data from XML files to dictionary.

5. **Device Close Application**: Closes running applications by sending close and terminate requests.

6. **Device Create Folders**: Automatically creates directories, including necessary parent directories.

7. **Device Delete Files/Folders**: Removes files or folders according to specified rules.

8. **Documentation About**: Documents task functionalities, inputs, outputs, and application settings.

9. **Documentation Caution Sequence**: Runs command sequences with caution highlights, documentation, and screenshots.

10. **Documentation Comment**: Allows insertion of comments and helper images in documentation.

11. **Documentation Sequence**: Executes command sequences with support for documentation and screenshots.

12. **Log Message**: Logs messages to a session file with an option for screenshots.

13. **Logs Start Session**: Initiates a new logging session.

14. **Logs Stop Session**: Ends a logging session.

4.   Support & FAQs

4.1   Support

Free bots are not officially supported.   You can get access to Community Support through the following channels:

- You can get access to Community Support, connecting with other Automation Anywhere customers and developers on APeople – the Bot Building Forum, the Bot Store Support Forum, or the Developers Everywhere Group.
- Automation Anywhere also provides a Product Documentation portal which can be accessed for more information about our products and guidance on Enterprise A2019.

4.2 FAQs

N/A

For questions relating to Enterprise A2019: See the [Enterprise A2019 FAQs](#).

Appendix A: Record of Changes

No.	Version Number	Date of Change	Author	Notes
1	*3.0.0*	*14/1/2024*	*Sumit Kumar*	*Initial public version*

Appendix B: References

No.	Topic	Reference Link
1	Overview of Enterprise A2019	Click here
2	Guidance: Building basic A2019 bots	Click here
3	Guidance: Building A2019 action packages	Click here
4	APeople Community Forum	Click here
5	Automation Anywhere University	Click here